

BUTTERFLIES OBSERVED IN WARRUMBUNGLE NATIONAL PARK, N.S.W.

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Little is known of the butterflies to be found in the Warrumbungle National Park, situated 20 miles west of Coonabarabran and approximately 300 miles north-west of Sydney. This note lists species observed on 1st February, 1969 (by J.V.P.) and between 19th and 23rd January, 1971 (by C.N.S.). Species observed in the more or less cleared Wombelong/Canyon Camp area and on the nearby roads are marked with an asterisk (*); species seen in the natural bush of the Split Rock area and along the track to Burbie Spring are marked with an obelisk (†).

HESPERIIDAE

- * *Taractrocera papyria papyria* (Boisd.). White Grassdart. Few seen.
- † *Ocybadistes walkeri sothis* Waterh. Yellow-banded Dart. Few seen.

PAPILIONIDAE

- * *Papilio demoleus sthenelus* Macl. Chequered Swallowtail. Two seen.

PIERIDAE

- † *Eurema smilax* (Don.). Small Grass Yellow. Several seen.
- * *Anaphaeis java teutonia* (Fab.). Caper White. One seen.
- * *Pieris rapae* (L.). Cabbage White. Extremely common, often several in sight at one time.

NYMPHALIDAE

- *† *Danaus chrysippus petilia* (Stoll). Lesser Wanderer. Few seen.
- * *Euploea core corinna* (Macl.). Common Australian Crow. One seen.
- † *Hypocysta pseudirius* Butl. Dingy Ringlet. Few seen.
- † *Geitoneura acantha acantha* (Don.). Eastern Ringed Xenica. Common in shaded situations.
- † *Geitoneura klugii klugii* (Guér.). Klug's Xenica. Common in shaded situations.
- † *Heteronympha merope merope* (Fab.). Common Brown. Common in shaded situations.
- † *Polyura pyrrhus sempronius* (Fab.). Tailed Emperor. One seen.
- * *Vanessa kershawi* (McCoy). Australian Painted Lady. One seen.
- † *Vanessa itea* (Fab.). Australian Admiral. Three seen.
- * *Precis villida calybe* (Godt.). Meadow Argus. Several seen.

LYCAENIDAE

- † *Lucia limbaria* Swains. Small Cooper. One seen.
- * *Theclinessthes onycha onycha* (Hew). Onycha Blue. One seen.
- * *Neolucia serpentata serpentata* (H.-Sch.). Chequered Blue. One seen.
- *† *Zizina otis labradus* (Godt.). Common Grass-Blue. Extremely common. Hundreds seen at damp sand where paths cross creeks.
- † *Candalides xanthospilos* (Hüb.). Yellow-spot Blue. Very common flying over low herbage.
- † *Candalides hyacinthinus hyacinthinus* (Semper). Common Dusky Blue. One seen near dodder plants.

† *Candalides heathi heathi* (Cox.). Rayed Blue. One seen.

It is to be hoped that additional records from the area will be published by observers so that the fauna of the Park will become better known. By recording species seen now it will be possible to discern any faunal changes which may take place in future.

RECENT LITERATURE—continued

DUNNET, G. M.

1972. See MARDON, D. K. and DUNNET, G. M., 1972.

1972a. See MARDON, D. K. and DUNNET, G. M., 1972a.

DYCE, A. L., STANDFAST, H. A. and KAY, B. H.

1972. Collection and preparation of biting midges (Fam. Ceratopogonidae) and other small Diptera for virus isolation. *J. Aust. ent. Soc.* 11(2): 91-96, illustr.

ELDER, R. J.

1972. See QUINLAN, T. J., ELDER, R. J. and SHAW, K. A., 1972.

EVANS, H. E.

1972. Revision of the Australian and New Guinea species of *Epipompilus* (Hymenoptera: Pompilidae). *Pacif. Ins.* 14(1): 101-13, figs 1-26.

EVANS, John William

1972. Fossil insects. *Hunter nat. Hist.* 4(2): 122-123. [Cyclostylidae]

1972a. Characteristics and relationships of Penthimiinae and some new genera and new species from New Guinea and Australia: also new species of Drabescinae from New Guinea and Australia (Homoptera: Cicadellidae). *Pacif. Ins.* 14(1): 169-200, figs 1-11.

FILMER, I. G.

1972. Funnel-web spider. *Qd nat. Club News* 45: 3. [Cyclostylidae] [Contains an extract from a letter by E. Dahms].

FRANZMANN, B. A.

1972. Banana Weevil Borer in North Queensland. *Qd agric. J.* 98(6): 319-321.

HASS, C. R.

1972. Brown Dog Tick. *Qd agric. J.* 98(6): 282-284, illustr.

HAYES, J. C.

1972. Ecological aspects of the mosquitoes breeding in tree holes in the botanic park and garden, Adelaide. *S. Aust. Nat.* 46(3): 38-40, fig. 1.

HOOPER, G. H. S.

1972. See ATUAHENE, S. K. N. and HOOPER, G. H. S., 1972.

HUTCHINSON, J. F.

1972. Botany for entomologists. *Victorian Ent.* 2(2): 9-12. Several butterfly species mentioned.

HUTCHINSON, J. F.

1972a. Some observations on the emergence of *Jalmenus evagans* Don, (Lycaenidae; Lycaeninae). *Victorian Ent.* 2(3): 8.

KAY, B. H.

1972. See DYCE, A. L., STANDFAST, H. A. and KAY, B. H., 1972.